

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 September 2003 (25.09.2003)

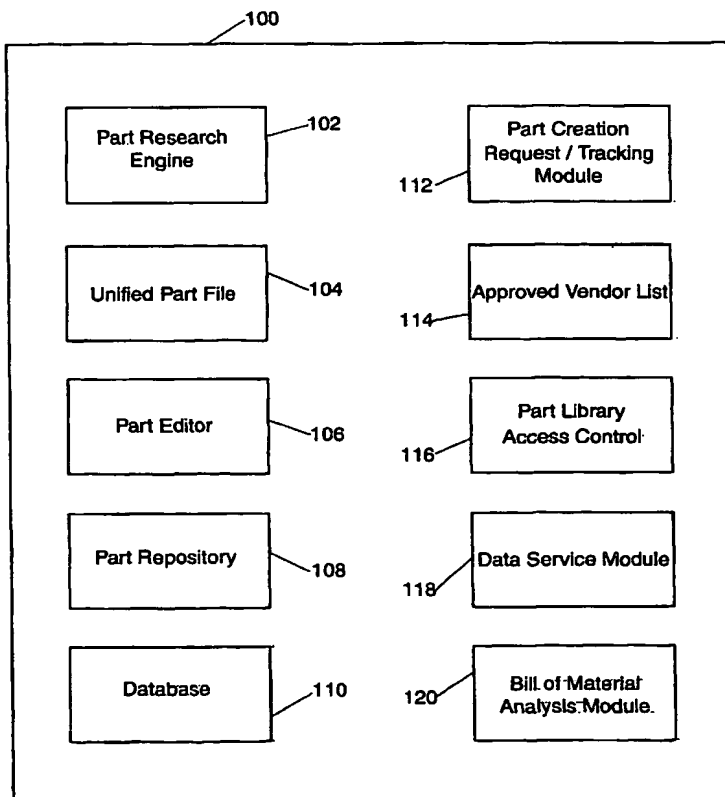
PCT

(10) International Publication Number
WO 2003/079139 A3

- (51) International Patent Classification⁷: **G06F 17/60** (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/US2002/007514
- (22) International Filing Date: 12 March 2002 (12.03.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (*for all designated States except US*): SYNCRON TECHNOLOGIES, LLC. [US/US]; Suite 112, 14500 North Northsight Boulevard, Scottsdale, AZ 85260 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): JIN, Myoung [—/US]; 8396 East Sunnyside Drive, Scottsdale, AZ 85260 (US).
- (74) Agent: LUTHER, Barbara, J.; Quarles & Brady /Streich Lang LLP, One Renaissance Square, Two North Central Avenue, Phoenix, AZ 85004-2391 (US).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR NETWORK-BASED PART MANAGEMENT SYSTEM



(57) Abstract: The present invention provides a part management system (100) that facilitates an automated process for the design or electronic components. A part research engine (102) is provided that performs various functions to aid a designer in selecting parts to be included in the design of a component. The part research engine (102) performs a global part number search. A unified part file (104), part repository (108) and database (110) solve the problems of fragmented part libraries, use of generic part data, and lack of manufacturing rules.



(88) Date of publication of the international search report:
29 January 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.